

25774
PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of GREEN ET AL.

Serial Number 09/823,992

Filed April 3, 2001

)
) Art Unit: 2877

)
) Examiner: N/A

)
) Atty Docket: GRE001

For: MASS SPECTROMETER AND METHODS OF MASS SPECTROMETRY

TECHNICAL DIVISION
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THE COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

Sir:

ITEMS	AS PREVIOUSLY PAID FOR	EXTRA	SMALL ENTITY	FULL FEE
Total Claims	34	9	x \$9 =	x \$18 = \$162.00
Independent Claims	10	0	x \$42 =	x \$84 = 0.00
Multiple Dependent Claims in Proper Form Presented			+ \$140 =	+ \$280 =
TOTAL				\$ 162.00

The below identified communication(s) or document(s) is(are) submitted in the above application or proceeding:

Preliminary Amendment Issue Fee Transmittal
 Check in the Amount of \$162.00
 Assignment
 Response

Please charge Deposit Account Number 04-1075 for any deficiency or credit any surplus in connection with this communication. A duplicate copy of this sheet is provided for use by the Deposit Account Branch.

Respectfully submitted,

Everett G. Diederiks, Jr.
Attorney for Applicant
Registration Number: 33,323

Date: January 7, 2003



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PRELIMINARY AMENDMENT

**Assistant Commissioner of Patents
Washington, D.C. 20231**

Dear Sir:

Prior to examination of the above-identified new U.S. patent application, kindly amend the application in accordance with the following particulars:

IN THE CLAIMS:

Kindly cancel claims 1-34 in their entirety, without prejudice or disclaimer, and insert new claims 35-77 as follows:

35. (New) A mass spectrometer comprising:

- an ion source;
- a lens downstream of said ion source wherein in a first high sensitivity mode of operation said lens focuses a beam of ions and in a second low sensitivity mode of operation said lens substantially defocuses a beam of ions;
- a mass analyser downstream of said lens, said mass analyser comprising an ion detector; and
- control means arranged to switch said lens from said first high sensitivity mode to said second low sensitivity mode upon determining that particular mass peak in a mass spectrum are saturating or approaching saturation and mass peaks within a particular mass range in a mass spectrum are saturating or approaching saturation.

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